

PMMA MAXIGLAS GS CAST ACRYLIC



- Outstanding for its crystal-like optical qualities and weatherability. Double side protective film
- It is the most transparent polymer with a visible light transmittance of 92%, more than glass and any other transparent polymer
- PMMA MAXIGLAS GS sheets provide long-life UV resistant products for a wide range of applications.
- Bright clarity and gloss, excellent transparency and easy fabrication,

PHYSICAL & MECHANICAL PROPERTIES	TEST METHOD	UNITS	AVERAGE RESULT
• Density	ISO 1183	g/cm ³	1.20
• Determination of Water Absorption	ISO 6 2: Method 1	%	0.3
• Tensile Strength	ISO527-2	Mpa	70
• Elongation at break	ISO527-2	%	4
• Tensile Modulus	ISO527-2	Mpa	3300
• Flexural Strength	ISO178	Mpa	104
• Flexural Modulus	ISO178	Mpa	3000
• Rockwell Hardness	M scale		100
• Impact Resistance (Charpy unnotched)	ISO 179/1fu	Kj/m ²	15
• Impact Resistance (Izod notched)	ISO 180/1A	Kj/m ²	1.5
OPTICAL PROPERTIES			
• Refractive Index	ISO 489		1.49
• Light Transmission	ASTM D1003	%	92
• (3 mm transparent sheet)	ASTM D1003	%	<1
THERMAL PROPERTIES			
• VICAT SOFTENING TEMP.(50N)	ISO306	°C	105-112
• Heat Deflection Temp. (1.82 Mpa)	ISO75-1	°C	105
• Coeff. Of Linear Thermal Expansion (0-50°C)		°K ⁻¹	7X10 ⁻⁵
• Thermal Conductivity	ASTM C177	W/Mk	0.19
• Maximum Continuous Service Temp.		°C	82
ELECTRICAL PROPERTIES			
• Dielectric Strength	DIN 53481	kV/mm	20-25
• Dielectric Constant (50Hz)	DIN 53483		3.6
• Dissipation Factor (50Hz)	DIN 53483		0.06
• Surface Resistivity	IEC 60093	Ohm	>10 ¹⁵
• Volume Resistivity	IEC 60093	Ohm·cm	>10 ¹⁵
SPECIAL REQUIREMENTS ON REQUEST			

- Additional thicknesses as required
- All values (unless specified) measured at room temperature
- Non standard sizes are available

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Information is intended only as a guide and is given without guarantees. Purchaser should independently determine, prior to use, the suitability of each material for their specific purpose. The purchaser must assume all risks for any use, operation and application of the material. We are liable for damage only upon the amount of the purchase price under exclusion of indirect and accidental damage. All information given serves only to describe the product and is not to be regarded as assured properties in the legal sense. Specifications subject to change without notice, errors and omissions excepted.

ZING Sp. z o.o.
 Al. Jerozolimskie 212, 02-486 Warszawa • tel. (+48 22) 592 29 29 • faks (+22) 592 29 07
 Biuro w Krakowie: ul. Kocmyrzowska 13A, 31-750 Kraków • tel. (+12) 684 39 80 • faks (+12) 684 39 81
 www.zing.com.pl • infolinia 801 322 333

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